

FEDERAL ITEM IDENTIFICATION GUIDE

INNER TUBE, PNEUMATIC TIRE

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Commander

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
---------------------------	------------	----------------

INNER TUBE, PNEUMATIC TIRE, AIRCRAFT

51023

A

A hollow, cylindrical vulcanized body of rubber, circular in cross section, and fitted with a valve and/or spud to permit inflation. It is used inside an aircraft pneumatic tire for reinforcement and to absorb shock.

INNER TUBE, PNEUMATIC TIRE, VEHICULAR
--

51022

A

A hollow, cylindrical vulcanized body of rubber, circular in cross section, and fitted with a valve and/or spud to permit inflation. It is used inside a pneumatic tire for reinforcement and to absorb shock on vehicles, tractors, trailers, and the like. For aircraft applications, see INNER TUBE, PNEUMATIC TIRE, AIRCRAFT.

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APPLICABILITY KEY INDEX

APPLICABILITY KEY INDEX

A

NAME	X
AAFS	X
AAFU	X
ABBS	X
ABBT	X
AAFZ	X
ASQJ	AR
ABBW	X
ABBX	X
CQBC	AR
ABBY	AR
CBBL	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
PKWT	AR
CBME	AR
SUPP	AR
CXCY	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	<i>Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED51022*)</i>		
ALL			
	AAFS	D	APPLICATION DESIGN
	Definition: THE PRIMARY APPLICATION FOR WHICH THE ITEM IS DESIGNED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AAFSDAA*; AAFSDAA\$DAB*)		
ALL			
	AAFU	D	SIZE DESIGNATION
	Definition: THE SIZE BY WHICH THE ITEM IS COMMERCIALY KNOWN AND DESIGNATED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AAFUDAAAC*; AAFUDAADD\$SDAADE*)		
ALL			
	ABBS	A	INFLATION DEVICE TYPE
	Definition: INDICATES THE TYPE OF VALVE OR SPUD PROVIDED TO FACILITATE INFLATION OF THE ITEM.		
	Reply Instructions: Enter the commercial designated valve or spud number. (e.g., ABBSATR15*; ABBSATR89\$ATR176A*)		
ALL			
	ABBT	D	INFLATION DEVICE POSITION

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SECTION I

APP Key	MRC	Mode Code	Requirements
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Definition: AN INDICATION OF THE RELATIVE POSITION OF AN INFLATION VALVE OR SPUD IN RELATION TO THE INNER TUBE CENTERLINE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABBTDA*)

<u>REPLY CODE</u>	<u>REPLY (AB13)</u>
B	OFF CENTER
A	ON CENTER

ALL

AAFZ	D	BODY MATERIAL
------	---	---------------

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDRCB000*; AAFZDRCB000\$DRCC000*; AAFZDRCB000\$DRCC000*)

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
	Natural and Synthetic Rubber (use Reply Codes RCB000 and RCC000)
RCB000	RUBBER, NATURAL
RCC000	RUBBER, SYNTHETIC

ALL*

ASQJ	F	OPERATING TEMP RANGE IN DEG CELSIUS
------	---	-------------------------------------

Definition: THE MINIMUM AND MAXIMUM OPERATING TEMPERATURES AT WHICH THE ITEM IS RATED, EXPRESSED IN DEGREES CELSIUS.

Reply Instructions: Enter temperature range in degrees, in ascending sequence. (e.g., ASQJFM65.0/P200.0*)

For source document specifying temperature ranges in Fahrenheit, convert to Celsius with the following formula:

$$\text{deg C} = 5/9 \times (\text{deg F} \text{ minus } 32)$$

ALL

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SECTION I

APP Key	MRC	Mode Code	Requirements
	ABBW	D	CONSTRUCTION

Definition: A FEATURE BUILT INTO THE ITEM WHICH APPLIES TO ITS ABILITY TO RETAIN AIR IF PUNCTURED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABBWDA*)

Double tube construction is defined as the tread area or the crown which contains a double air chamber and provides a safety factor in the event that the outer chamber is punctured.

Double tube construction indicates that it can be made of independent cells, lubricated or not, nitrogen inflated while manufactured, with a pressure provided for a later use to ensure the pneumatical functions, which render it "puncture proof". For illustrations of Double Tube Constructions refer to Appendix B, Reference Drawing Group A.

<u>REPLY CODE</u>	<u>REPLY (AB14)</u>
B	DOUBLE TUBE
C	HEAVY DUTY
D	RADIAL
A	REGULAR

ALL

ABBX	D	BASE CONSTRUCTION
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Definition: THE CONSTRUCTION OF THAT PORTION OF THE ITEM WHICH IS IN CONTACT WITH THE TIRE FLAP OR RIM WHEN INSTALLED IN A PNEUMATIC TIRE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABBXDA*)

<u>REPLY CODE</u>	<u>REPLY (AB15)</u>
A	FABRIC
B	STANDARD

ALL*

CQBC	J	MINIMUM TENSILE STRENGTH
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SECTION I

APP Key	MRC	Mode Code	Requirements
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Definition: THE MAXIMUM RATED LOAD IN TENSION APPLIED IN A LONGITUDINAL DIRECTION, PER UNIT OF CROSS-SECTIONAL AREA, THAT THE MATERIAL CAN WITHSTAND WITHOUT RUPTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CQBCJP120*; CQBCJK54*)

<u>REPLY CODE</u>	<u>REPLY (AN71)</u>
K	KILOGRAMS PER SQUARE CENTIMETER
L #	KILOPASCALS
Z #	NEWTONS PER SQUARE MILLIMETER
P	POUNDS PER SQUARE INCH

ALL*

ABBY	J	SPLICE MINIMUM RATED TENSILE STRENGTH
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Definition: THE MAXIMUM LOAD IN TENSION APPLIED, TO A SPLICE, IN A LONGITUDINAL DIRECTION PER UNIT OF CROSS-SECTIONAL AREA THAT THE MATERIAL CAN WITHSTAND WITHOUT RUPTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ABBYJV120*; ABBYJK54*)

<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
K	KILOGRAMS PER SQUARE CENTIMETER
L #	KILOPASCALS
R #	NEWTONS PER SQUARE MILLIMETER
V	POUNDS PER SQUARE INCH

ALL*

CBBL	D	FEATURES PROVIDED
------	---	-------------------

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDCHF*)

<u>REPLY CODE</u>	<u>REPLY (AN47)</u>
CHF	PUNCTURE SEALING

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SECTION I

APP Key	MRC	Mode Code	Requirements
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ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321\$\$JB5556A-663654*;

TESTJAA2345-654321\$JB55566-663654*)

REPLY
CODE

REPLY (AC28)

- | | |
|---|--|
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| B | STANDARD (Includes industry or association standards, |

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SECTION I

APP Key	MRC	Mode Code	Requirements
		C	individual manufacturer standards, etc.) DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

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SECTION I

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
		S	GOVERNMENT SPECIFICATION
		T	GOVERNMENT STANDARD
		D	MANUFACTURERS SOURCE CONTROL
		<i>R</i>	<i>MANUFACTURERS SPECIFICATION</i>
		N	MANUFACTURERS SPECIFICATION CONTROL
		M	MANUFACTURERS STANDARD
		<i>B</i>	<i>NATIONAL STD/SPEC</i>
		A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
		P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

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SECTION I

APP Key	MRC	Mode Code	Requirements
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ALL*

ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
------	---	---------------------------------

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
------	---	--

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL	A	CRITICALITY CODE JUSTIFICATION
------	---	--------------------------------

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

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SECTION I

APP Key	MRC	Mode Code	Requirements
PRPY	A		PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$ASURF*)

ALL*

ELRN	G	EXTRA LONG REFERENCE NUMBER
------	---	-----------------------------

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION
------	---	---------------------------------------

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY
CODE

REPLY (AN58)

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SECTION I

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

ALL*

PKWT J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY
PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by
the numeric value. (e.g., PKWTJLB0.01*; PKWTJGM4.5*)

<u>REPLY CODE</u>	<u>REPLY (AN75)</u>
GM	GRAMS
KG	KILOGRAMS
LB	POUNDS

ALL*

CBME J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE
LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN
CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by
the numeric value. (e.g., CBMEJCF1.0219*; CBMEJCM0.1*)

<u>REPLY CODE</u>	<u>REPLY (AN76)</u>
CF	CUBIC FEET
CM	CUBIC METERS

ALL*

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED
IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL
INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN
ASSIGNMENT.

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SECTION I

APP Key	MRC	Mode Code	Requirements
<hr/> Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)			
ALL*			
CXCY		G	PART NAME ASSIGNED BY CONTROLLING AGENCY
Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.			
Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)			

Reply Tables

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Table 1 - APPLICATION DESIGNS
FOR USE WITH MRC AAFS

APPLICATION DESIGNS

<u>REPLY CODE</u>	<u>REPLY (AA25)</u>
AA	AGRICULTURAL IMPLEMENT
AB	AGRICULTURAL TRACTOR
BD	AIRCRAFT MAIN WHEEL, TYPE I SMOOTH CONTOUR
BE	AIRCRAFT MAIN WHEEL, TYPE II HIGH PRESSURE
BF	AIRCRAFT MAIN WHEEL, TYPE III LOW PRESSURE
BH	AIRCRAFT MAIN WHEEL, TYPE VII EXTRA HIGH PRESSURE
BM	AIRCRAFT NOSE WHEEL, TYPE VI LOW PROFILE
BQ	AIRCRAFT TAIL WHEEL, TYPE I SMOOTH CONTOUR
BR	AIRCRAFT TAIL WHEEL, TYPE III LOW PRESSURE
BT	AIRCRAFT TAIL WHEEL, TYPE VII EXTRA HIGH PRESSURE
AD	AUTO TRAILER
CU	BABY CAR
AE	BICYCLE
AF	EARTHMOVER
AG	GARDEN TRACTOR
AH	INDUSTRIAL TRACTOR
AJ	INDUSTRIAL UTILITY
AL	LIGHT TRUCK
AM	LOW PLATFORM TRAILER
AP	MOTORCYCLE
AQ	MOTORSCOOTER
AR	PASSENGER CAR
AT	ROAD GRADER, DROP CENTER RIM
AU	ROAD GRADER, FLAT BASE RIM
AW	SCOOP TYPE LOADER
AY	TRACKED VEHICLE SUSPENSION
AX	TRUCK AND BUS

Table 2 - SIZE DESIGNATIONS
FOR USE WITH MRC AAFU

SIZE DESIGNATIONS

<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
ABYH	F-13
ABYG	F-14
ABYJ	G-14
ABYK	G-16
AAQG	K-13
AAQH	K-14
AAQJ	K-15
AETQ #	K16
AAQK	M-14
ABYN	M-15
ABYM	M-16
AAQL	P-14
AAQM	V18-19
AAXM	W18-19
AEHZ #	04
AEMC	10
ABHH	33
ACDR	36
AEJA #	042
ABHW	44
ACAD	65
AETZ #	1020
AESU #	1530
AAJD	1.75-26
AAJE	1.375-26
AAAC	2.80/2.50-4
ACNS	3.30-18/3.50-18
AAAH	3.40/3.00-5
AAAW	3.40/3.00-7
ACGW #	3.50-8
AABP	3.50-12
ACNW	3.85-18/4.00-18/4.50-18/4.00-19/4.50-19
AACT	4.00-15
ABBY	4.00-36
AAAE	4.10/3.50-4
AAAJ	4.10/3.50-5
AAAM	4.10/3.50-6
AAVL	4.75-7.75
AAAD	4.80/4.00-4
AAAX	4.80/4.00-7
AABA	4.80/4.00-8
AABF	4.80/4.00-9
AABQ	4.80/4.00-12
AAAK	5.00-5
AABS	5.00-12
AACW	5.00-15

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
AADR	5.00-16
ABCS	5-8
AAVQ	5.10-16
ABCR	5-12
AAAN	5.30/4.50-6
AAAZ	5.30/4.50-7
AABT	5.30/4.50-12
AADS	5.50-16
AAVV	5.70/5.00-4
AABC	5.70/5.00-8
ABGX	5.90-13
AAWA	6.00/6.40-15
AACE	6.00-14
AADT	6.00-16
ACNY	6.00-17/6.50-17
AAVX	6.00-20
AAVY	6.00-21
AAWB	6.2-30
ACAC	6.6X15
ABDG	6-12
ABDH	6-16
AELE #	6.25-8
ACAB	6.50/7.60-16
AANL	6.50-8
AABJ	6.50-10
AACC	6.50-13
AACZ	6.50-15
AAFQ	6.50-20
ABDC	6.50-36
AAWH	6.70/7.10-15
AADA	6.70-15
AAAQ	6.90/6.00-6
AABG	6.90/6.00-9
AABX	6.90/6.00-12
AAWM	7.00-6
AAWN	7.00/7.50-14
AETR #	7.00/7.50-16
AAWP	7.00/8.20-15
AAWJ	7.00-10
AABY	7.00-12
AADC	7.00-15
ACNZ	7.00-15DC
AADX	7.00-16
AAEN	7.00-17
AAEZ	7.00-18
AAFR	7.00-20
AAGY	7.00-24
ACPB	7.00-24/36X6

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
ABXE	7.2-24
AAWQ	7.5L-15
ACAG	7/8-14.5
ACAH	7/8-17.5
AADD	7.10-15
ABDR	7-22.5
AADE	7.35-15
AAWS	7.50/8.25-16
AABK	7.50-10
AACJ	7.50-14
AADF	7.50-15
AAEP	7.50-17
AAFA	7.50-18
AAFS	7.50-20
AAGZ	7.50-24
ACPC	7.50-24/38X7
ACPD	7.50-36/9-36
AADG	7.60-15
ACAJ	8.00
AAAG	8.00-4
AAWY	8.00-6
AAWW	8.00-14
AAWX	8.00-16.5
AAES	8.00-17.5
AAGL	8.00-22.5
ACAK	8.3-24
AAXA	8.5L-14
ACAP	8/9-19.5
ACAQ	8/9-22.5
AEQU	8.15/28X9-15
ACAL	8-24
AACM	8.25-14
AADL	8.25-15
AADZ	8.25-16
AAEQ	8.25-17
AAFB	8.25-18
AAFT	8.25-20
AAHA	8.25-24
AANQ	8.50-10
AAXB	8.75-16.5
AADP	8.90-15
AAXC	8X3.00-4
ACAM	8X14
AAXF	9.00-6
AABL	9.00-10
AAXD	9.00-13
AADQ	9.00-15
AAFC	9.00-18

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
AAFW	9.00-20
AAGM	9.00-22.5
AAHC	9.00-24
AAEA	9.00X16
ACAN	9.4-20
AAXG	9.5-16
ABXR	9.5-24
AAXH	9.5-32
ABXS	9.5-36
AAXJ	9.5L-14
AAXK	9.5L-15
AAPZ	9.50-8
AAEC	9.50/9.00-16
AAXL	9.50-16.5
ABXY	9.50-20
ACPE	9.75-20/10.00-20/38X9
ACPF	9.75-24/10.00-24/42X9
AAQP	10.00-7
AAQQ	10.00-15
AAED	10.00-16
AAEK	10.00-16.5
AAFD	10.00-18
AAFX	10.00-20
AAGG	10.00-22
AAGN	10.00-22.5
AAHE	10.00-24
ABYQ	10.00-27
AAQN	10.00-28
AALS	10-1/2X4
AETS #	10.5-20/10-20
AESA #	10-18
AAQS	10.50-16
AEJG #	10HP
ABYP	10X3.50
AAQV	10X3.50-4
AAQY	11.00/12.00-24
AAQW	11.00-15
AAEE	11.00-16
AAQX	11.00-18
AAFY	11.00-20
AAGH	11.00-22
AAGP	11.00-22.5
ABYZ	11.2/10-26
AAJQ	11.2/10.28
AAKP	11.2/10-34
AAKW	11.2/10-36
AAQZ	11.2/10-38
ABYT	11.2-24

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
ABZB	11/12-22.5
ABZC	11/12-24.5
AAHH	11.25-24
AARA	11.25-28
AARD	11L-15
AARE	11L-16
AARF	11X4.00-5
AAEL	12.00-16.5
AAFZ	12.00-20
ACNN	12.00-28/13-28
ACNP	12-4.00-6
AAHJ	12.4/11-24
AAJH	12.4/11-26
AAJS	12.4/11-28
AAKX	12.4/11-36
AAKZ	12.4/11-38
AARG	12.4-16
AARM	12.5L-15
AARN	12.5L-16
ABZD	12.5X4.5
AARS	12/10.00-38
AAEG	12.50-16
AEMD	12.75/13.00/14.00-24
AARQ	12.75-28/14.00-28
AART	13.00/14.00-20
AAJJ	13.6/12-26
AAJT	13.6/12-28
AARY	13.6/12-38
ABMS	13.6-24
AARX	13.6-36
AAKY	13.9-36
AARW	13.50-16.1
AAHN	14.00X24
ACNQ	14-4.50-6
AAHP	14.9/13-24
AAJK	14.9/13-26
AAJW	14.9/13-28
AAKC	14.9/13-30
AEME	14.9/13-38
AASC	14-17.5
AASD	14L-16A
AASF	15.5-25
AALB	15.5-38
AASH	15-19.5
AASJ	15-22.5
AASG	15.50-20
ADBL	15X4 1/2-8
AASK	15X6.00-6

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
AAHQ	15X28
AAZX	16.00-16
AAGC	16.00-20
ABZG	16.00-20/21
AAHQ	16.00-24
AETU #	16.00-24/25
AAHZ	16.00-25
AASL	16.5L-16.1
AAHR	16.9/14-24
AAJL	16.9/14-26
AAJX	16.9/14-28
AAKD	16.9/14-30
AAKQ	16.9/14-34
AALY	16X4.4
AASV	16X6.50-8
AASV	17.00-16
AAPD	17.00-20
AASW	17.5\N25
AEKX #	17-400
AASX	18.00-24
ABZH	18.00-24/25
AAJP	18.00-26
AASY	18.00-32/33
AALY	18.00-49
AATB	18.4/15-24
AAJZ	18.4/15-28
AAKE	18.4/15-30
AAKR	18.4/15-34
AALD	18.4/15-38
AASZ	18.4-16.1
ABQD	18.4-26
AELF #	18-7
AATC	18-19.5
AATD	18-22.5
AEJM #	18.50-20
AAMB	18X4.4
AAMC	18X5.5
AATE	18X5.50-8
ACLS	18X7
AELG	18X7-8
AATF	18X9.50-8
AETV #	19.00-22
AAPF	19.00-23
AATG	19.5-19.5
ABZJ	19-75X20
AEJP #	19R400
AATJ	20.00-20
AATK	20.5-25

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<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
AATL	20.8-38
AETW #	20X2.25
AAMD	20X4.4
ABZK	21.00-24/25
AAKT	21.00-35
AALF	21.00-49
AAMF	22X5.5
AABN	22X7.25-11.50
AESV #	22X12
AAJN	23.1/18-26
AAKF	23.1/18-30
AAKS	23.1/18-34
AATQ	23.5-25
AETX #	23X2-25
ABAT	23X8.50-12
AAJC	24.00-25
AAKB	24.00-29
ABZL	24.00-32/33
AATS	24.00-35
AATT	24.00-49
ACHZ	24-5.5
AAKJ	24.5-32
AAMG	24X7.7
AATV	25.00-28
AAMJ	25X6.0
AATY	26-2.125
AATW	26.5-25
AATX	26.5-29
ACNR	26X1.25
AESH #	26X2.00
AAML	26X6
AAMM	26X6.6
ADDB #	26X7.75-13
AELL	26X12.00-12
AAKM	27.00-33
AATZ	27.00-49
AAVA	27X8.50-15
ABZP	28.1-26
AAVC	29.5-29
ABTB	29.5-35
AAMP	29X7.7
AAVD	29X11-10
AAKN	30.00-33
AAVF	30.00-41
ABBP	30X6.6
AAMQ	30X7.7
AAMR	30X8.8
AAMT	32X8.8

<u>REPLY CODE</u>	<u>REPLY (AA27)</u>
AAVG	33.5-33
AAVH	33.5-39
AAMW	34X9.9
ABGW	36.00-41
AAMY	36X11
AANB	40X12
AAND	44X13
AANH	49X17
AANJ	56X16
AEKY #	125-15
AEIH #	135-13
AEKZ #	135-14
AELA #	135-15
AEJT #	135X400
AEAA #	145-13
AELB #	145-14
AELC #	155-13
ACGJ #	155-15
AAAA	160X60R8C65J
ADLQ #	165-R15
ACHH #	165-15
ACJY #	175-14
ADMS #	175-14/6.95-14
ACML #	185 R14
ACGL #	185-14
ADNN #	185-14/7.35-14
AELD #	185-15/380
AEJZ #	185-400
AEVH	225/75R10 (28X9R10)
AERM	300/50-240
AEKB #	330X130
AELJ #	380X150
AETY #	400X8
AESR #	400X100
AEKF #	420X150
AEDM #	500-10
AEUB	500X150

Table 3 - NONDEFINITIVE SPEC/STD DATA
FOR USE WITH MRC ZZZT

NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
<i>BA</i>	<i>IMAGE COLOR</i>
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
<i>AA</i>	<i>MARKER</i>
ML	MATERIAL
<i>BB</i>	<i>MAXIMUM DENSITY</i>
MH	MESH
ME	METHOD
<i>BC</i>	<i>MINIMUM DENSITY</i>
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN

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<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

REFERENCE DRAWING GROUP A.....	31
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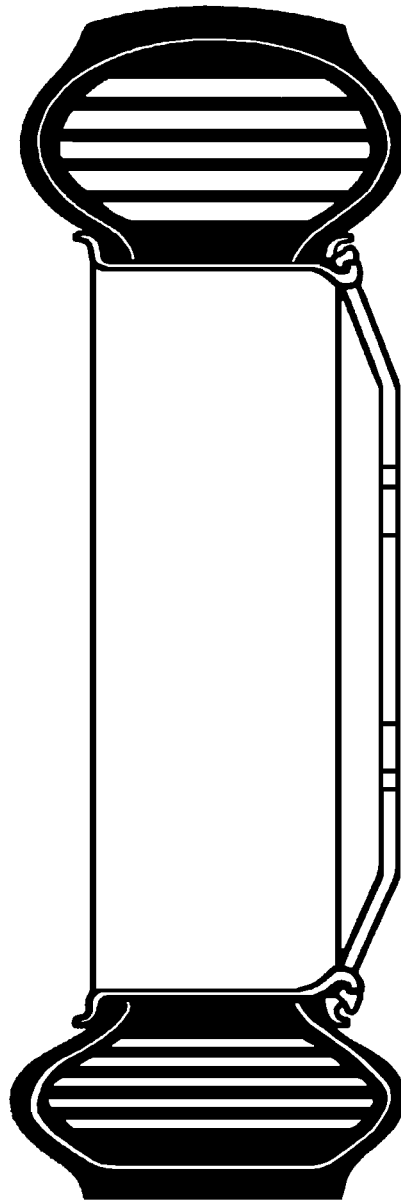
REFERENCE DRAWING GROUP A

VP INNER TUBE

(No Requirements)

PUNCTURE PROOF MATERIAL FOR VARIOUS TYRES

INFLATED INNER TUBE, WITHOUT VALVE #

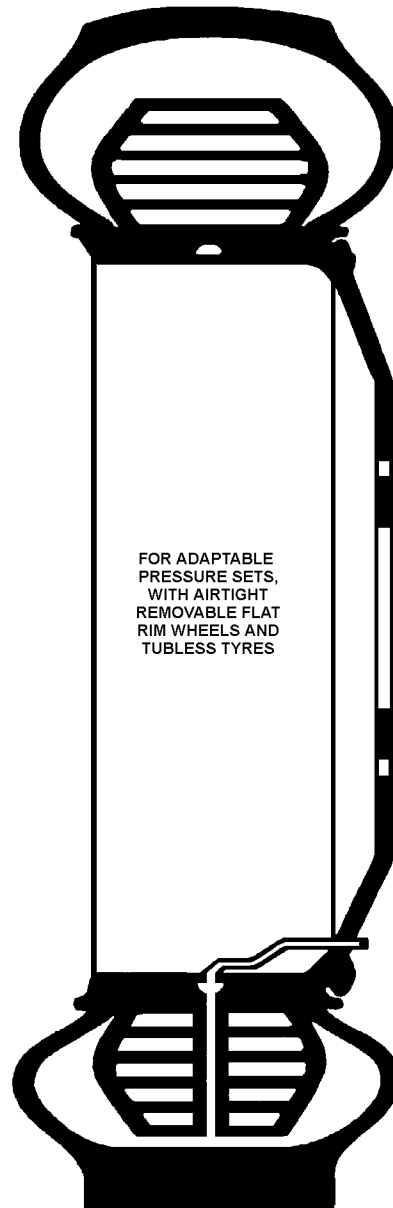


VP-PV INNER TUBE

(No Requirements)

SAFETY SYSTEM LIMITING THE COLLAPES OF THE TYRE

INFLATED INNER TUBE, FLATTENED AT THE TOP AND WITHOUT VALVE #



Technical Data Tables

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective October 2, 2009.

Added Reply Code B to MRC ZZZK.

Added Reply Codes to Appendix A Table 3 MRC ZZZT AA, BA, BB, and BC.